

## ABSTRACT

In a method for producing a positive electrode active material including a mixing step of mixing a plurality of substances to give a precursor and a sintering step of sintering and reacting said precursor obtained by said mixing step, in which these substances prove a starting material for synthesis of a compound represented by the general formula  $\text{Li}_x\text{M}_y\text{PO}_4$  where  $x$  is such that  $0 < x \leq 2$ ,  $y$  is such that  $0.8 \leq y \leq 1.2$  and  $M$  includes at least one of 3d transition metals,, a reducing agent is added in the above mixing step to said precursor to render it possible to prepare a positive electrode active material capable of reversibly and satisfactorily doping/undoping lithium.

09701950-061401